IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#5

In re application of

Group Art Unit:

Brian W. Baird, Michael J. Wolfe, Richard S. Harris, Kevin P. Fahey, Lian-Cheng Zou, and Thomas R. McNeil

Application No.

Filed: concurrently herewith

For: ULTRAVIOLET LASER ABLATIVE PATTERNING OF

MICROSTRUCTURES IN SEMICONDUCTORS

Date: December 14, 2001



INFORMATION DISCLOSURE STATEMENT

TO THE COMMISSIONER FOR PATENTS:

1.	Pursuant to their duty of disclosure, applicants present for the Examiner's sideration the document listed on the accompanying Form PTO-1449.						
Consid			opies of the documents are enclosed.				
		Copies (a copy) of document(s) are (is) not enclosed because they are already of record in U.S. Pat. Application No, filed, which this application relies on for an earlier filing date under					
		35 U.S.C. § 120. (37 C.F.R. § 1.98(d).)					
2.	[]	Applicant(s) draw(s) the Examiner's attention to the enclosed copy of					
		copending U.S. Pat. Application No, filed, for, which is cited in this application.					
			, which is cited in this application.				
3.	This information disclosure statement is being submitted:						
	a.	[X]	Within three months of the filing date of a national application other				
			than a continued prosecution application under 37 CFR 1.53(d);				
			within three months of the date of entry of the national stage as set				
			forth in 37 CFR 1.491 in an international application; before the				
			mailing of a first Office action on the merits; or before the mailing of				
			a first Office action after the filing of a request for continued examination under 37 CFR 1.114. (No statement under 37 CFR				
			1.97(e) is required.)				
			1.57(c) is required.				
	b.	[]	After the period set forth in paragraph 1a, but before the mailing date				
			of either a final action, a notice of allowance, or an action that				
			otherwise closes prosecution in the application. (Check box i. or ii.)				

		i.	[]	A \$180.00 information disclosure statement submission fee set forth in 37 CFR 1.17(p) is enclosed.			
		ii.	[]	A statement specified by 37 CFR 1.97(e) is set forth below.			
	c.	[]	or befo 1.97(e	the mailing date of a final action or notice of allowance and on ore payment of an issue fee. A statement specified by 37 CFR is set forth below. Enclosed is a \$180.00 information sure statement processing fee set forth in 37 CFR 1.17(p).			
4.	[]	The attorney or agent signing below hereby states that:					
		[]	statem office	tem of information contained in the information disclosure ent was first cited in a communication from a foreign patent in a counterpart foreign application not more than three months to the filing of the information disclosure statement; or			
		[]	statem in a co person item o was kr	on of information contained in the information disclosure ent was cited in a communication from a foreign patent office counterpart foreign application, and, to the knowledge of the a signing the certification after making reasonable inquiry, no f information contained in the information disclosure statement nown to any individual designated in 37 CFR 1.56(c) more than months prior to the filing of the information disclosure ent.			
5.	[]	Applicants set forth below concise explanations of the relevance of each document not in the English language and/or selected documents in the English language.					
				Respectfully submitted,			

Brian W. Baird, Michael J. Wolfe, Richard S. Harris, Kevin P. Fahey, Lian-Cheng Zou, and Thomas R. McNeil

By

Michael L. Levine Registration No. 33,947

STOEL RIVES LLP 900 SW Fifth Avenue, Suite 2600 Portland, Oregon 97204-1268 Telephone: (503) 224-3380 Facsimile: (503) 220-2480

Attorney Docket No. 50001/83:2

لا . المسؤلا

Sheet 1 of 1 U.S. DEPARTMENT OF COMMERCE APPLICATION NO. FORM PTO-1449 ATTY. DOCKET NO. (REV. 7-80) PATENT AND TRADEMARK OFFICE 50001/83:2 USA **APPLICANTS** INFORMATION DISCLOSURE CITATION Brian W. Baird, et al. (Use several sheets if necessary) **GROUP** FILING DATE **U.S. PATENT DOCUMENTS** FILING DATE **EXAMINER** DOCUMENT **SUBCLASS** IF APPROPRIATE DATE NAME **CLASS** NUMBER INITIAL AA 3 0 3 0 9 10/16/01 Karpman et al. 438 114 559 01/26/99 Dickey et al. 359 AB 0 AC 8 9 11/24/98 Owen et al. 219 121.69 474.03 364 7 5 5 8 5 05/12/98 Cutler et al. AD 9 219 121.71 ΑE 5 5 6 0 6 01/14/97 Owen et al. ΑF 5 437 226 5 3 3 6 5 08/06/96 Wills et al. 4 6 8 3 8 0 10/21/86 Alcorn et al. 148 187 AG 1 29 571 9 05/20/86 Anthony AH 5 02/09/99 372 75 8 2 Dahm ΑI 414 4 5 4 0 3 5 09/10/85 361 AJ Carlson et al. 1 ΑK AL FOREIGN PATENT DOCUMENTS TRANSLATION **DOCUMENT** NO YES DATE **COUNTRY CLASS SUBCLASS** NUMBER **PCT** G05B 19/39 WO 01/52004 A1 19 July 2001 AM WO 00/73013 A1 07 December 2000 **PCT B23K** 26/06 AN AO ΑP OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) Anthony, T.R., "Diodes Formed by Laser Drilling and Diffusion," J. Appl. Phys., Vol. 53 (Dec. 1982), AR pp. 9154-9164. Lee, Rex A., et al., "Excimer vs ND:YAG Laser Creation of Silicon Vias for 3D Interconnects," IEEE/CHMT AS International Electronics Manufacturing Symposium (1992), pp. 358-360. AT ΑU EXAMINER DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.